

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method of conducting a conference comprising:
registering a subscription for subscribing to a conference data stream with stream of a
content based messaging (CBM) network;
publishing conference data messages;
receiving messages including the conference data stream corresponding to the
subscription for the conference data stream from the CBM network; network; and
presenting the messages to a user;
generating input data using an input device;
publishing the input data via the conference data stream;
determining if any participants are subscribed to the conference data stream;
halting publishing of the input data via the conference data stream, if it is determined that
no participants are subscribed to the conference data stream;
receiving information that a new participant has been subscribed to the conference data
stream; and
restarting publishing of the input data via the conference data stream based on receiving
the information.
2. (Original) The method of claim 1 wherein presenting the messages to the user includes presenting video data to the user.
3. (Original) The method of claim 1 wherein presenting the messages to the user includes presenting audio data to the user.

4. (Original) The method of claim 1 wherein presenting the messages to the user includes presenting audio and video data to the user.
5. (Original) The method of claim 1 wherein presenting the messages to the user further comprises assembling the received messages into streaming video data and presenting the streaming video data to the user.
6. (Original) The method of claim 1 wherein presenting the messages to the user further comprises assembling the received messages into streaming audio data and presenting the streaming audio data to the user.
7. (Original) The method of claim 1 wherein presenting messages to the user further comprises assembling the received messages into streaming audio and video data and presenting the streaming audio and video data to the user.
8. (Original) The method of claim 1 wherein presenting the messages to the user further comprises converting received messages from a real time transport protocol to a format required by the Java Media Framework (JMF) to present streaming audio and/or video data to the user.
9. (Original) The method of claim 1 further comprising initiating a conference by inviting a participant connected to the CBM network to join the conference.
10. (Currently Amended) The method of claim 1 further comprising initiating a conference by inviting one or more participants connected to the CBM network to join the conference and subscribing to the conference ~~a conference~~ data stream of a content based messaging CBM network associated with each participant.
11. (Original) The method of claim 10 wherein initiating a conference by inviting one or more participants connected to the CBM network to join the conference further comprises

selecting the one or more participants from a contact list of identifiers associated with each participant.

12. (Original) The method of claim 11 further comprising subscribing to a status of each conference participant and presenting the status to the user.

13. (Original) The method of claim 11 further comprising publishing a status of the user to the CBM network.

14. (Currently Amended) A ~~system~~ content-based messaging network for conducting a conference between two or more participants comprising:

a user interface configured to:

present messages to a user,

generate input data; and

a messaging infrastructure configured to:

register a subscription for a conference data stream with a content based messaging (CBM) network,

receive the messages corresponding to the subscription for the conference data stream from the CBM network,

publish the input data via the conference data stream,

determine if any participants are subscribed to the conference data stream,

halt publishing of the input data via the conference data stream, if it is determined that no participants are subscribed to the conference data stream,

receive information that a new participant has been subscribed to the conference data stream, and

restart publishing of the input data via the conference data stream based on receiving the information

an interface to receive subscriptions to a conference data stream corresponding to the conference and to receive publishing conference data messages corresponding to the conference;

a processor to compute the subscriptions, to generate messages including the conference data stream, and to send the messages to client devices corresponding to the computed subscriptions; and
an output to deliver the messages.

15. (Original) The system of claim 14 wherein the messages include one of video data, audio data, or a combination of video and audio data.

16. (Currently Amended) The system of claim 14 further comprising two or more client devices configured to generate the subscriptions and to receive the conference messages and present the messages to a participant ~~an associated user~~.

17. (Currently Amended) The system of claim 16 wherein each client device is configured to assemble the received messages into streaming video data and to present the streaming video data to the participant ~~user~~.

18. (Currently Amended) The system of claim 16 wherein each client device is configured to assemble the received messages into streaming audio data and to present the streaming audio data to the participant ~~user~~.

19. (Currently Amended) The system of claim 16 wherein each client device is configured to assemble the received messages into streaming audio and video data and to present the streaming audio and video data to the participant ~~user~~.

20. (Currently Amended) The system of claim 16 wherein each client device is configured to convert the received messages from a real time transport protocol to a format required by the Java Media Framework (JMF) to present streaming audio and video data to the participant ~~user~~.

21. (Original) The system of claim 16 wherein each client device is configured to receive an invitation to join the conference and to subscribe to a conference data stream of a content based messaging (CBM) network associated with each conference participant.

22. (Original) The system of claim 16 wherein the interface is configured to receive subscriptions to a status of each conference participant and the processor is configured to receive published status information and to generate status messages based on the received subscriptions.

23. to 31. (Cancelled)

32. (Original) A computer program product, tangibly embodied in a machine readable medium, the computer program product comprising instructions that, when read by a machine, operate to cause a data processing apparatus to cause a processor to:

register a subscription for a conference data stream with a content based messaging (CBM) network;

receive messages corresponding to the subscription for the conference data stream from the CBM network;

present the messages to a user;

generate input data using an input device;

publish the input data via the conference data stream;

determine if any participants are subscribed to the conference data stream;

halt publishing of the input data via the conference data stream, if it is determined that no participants are subscribed to the conference data stream;

receive information that a new participant has been subscribed to the conference data stream; and

restart publishing of the input data via the conference data stream based on receiving the information

subscribe to a conference data stream of a content-based messaging (CBM) network;

publish conference data messages; and

~~process the conference data stream corresponding to the subscription from the CBM network for presentation to a user.~~

33. (Currently Amended) The computer program product of claim 32 wherein the ~~instructions to process~~ the messages include ~~instructions to process~~ video or audio data.

34. (Previously Presented) The computer program product of claim 32 further comprising instructions to assemble the received messages into streaming video data for presentation to the user.

35. (Previously Presented) The computer program product of claim 32 further comprising instructions to assemble the received messages into streaming audio data for presentation to the user.

36. (Previously Presented) The computer program product of claim 32 further comprising instructions to assemble the received messages into streaming audio and video data for presentation to the user.

37. (Previously Presented) The computer program product of claim 32 further comprising instructions to convert received messages from a real time transport protocol to a format required by the Java Media Framework (JMF) to present streaming audio and/or video data to the user.

38. (Previously Presented) The computer program product of claim 32 further comprising instructions to initiate a conference by inviting a participant connected to the CBM network to join the conference.

39. (Previously Presented) The computer program product of claim 38 further comprising instructions to subscribe to a conference data stream of a content based messaging CBM network associated with each participant.

40. (Previously Presented) The computer program product of claim 32 further comprising instructions to publish messages associated with the conference to the CBM network.

41. (Cancelled)